

Investigation of Flow in Sub and Transonic Regions
of a Laval Nozzle, by V. G. Pirumov.
RUSSIAN, per. Izv ANSSSR. Mekh Zhidkosti i Gaza,
No 1, 1970, pp 53-63.
FTD RT Special 228-70

Sci-Phys
Jul 70

Laminar Multicomponent Boundary Layer With High
Rates of Injection, by E. A. Gershboyn, 15 pp.
RUSSIAN, per. Izvestiya Akademii Nauk SSSR,
Mekhanika Zhidkosti i Gaza, Moscow, No 1, 1970,
pp 64-73.

JPRS56347

FTD - NT Special 225-70

July 72

F. L. Chernous'ko

Motion of a fluid bounded by a flexible film. 18 pp
RUSSIAN, Izv. Ak Nauk SSSR, Mekhanika zhidkosti i gaza,
Jan-Feb 1970, pp 104-112
**NASA TT F 14,576*

sept 72

A. I. Golubinskii

The Action of Unsteady Pressure Pulse on a
Body in a Liquid or Gas.

RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya.

Mekhanika Zhidkosti i Gaza, No 1, 1970, pp 113-120.

NTC 72-13980-20D

NASA-TT-F-13263

Nov 72

On Radiation Transports Inside an Ablating Body
by Ye. Z. Apshatyn.
RUSSIAN, par. Izv ANSSSR. Mekh Zhidkosti i Gaza,
No 1, 1970, pp 148-153.
FTD HT Special 231-70

Sci-Phys
Jul 70

Radiation Shock Layer in Hypersonic Flow Around
a Blunt Body in Air, by V. P. Stukov. *98P*
RUSSIAN, per, Izv ANSSSR. Mosh Zhidkosti i Gaza,
No 1, 1970, pp 154-160.
FID HT Special 232-70

CIA X 7248

Sci-Phys
Jul 70

On Distribution of Pressure on Blunt Combs in
Non-equilibrium Flow, by V. G. Voronkin.
RUSSIAN, par. Izv ANSSSR. Mekh Zhidkosti i Gaza,
No 1, 1970, pp 161-164.
FID HT Special 233-70

Sci-Phys
Jul 70

On the Position of the Stagnation Point in Three-
Dimensional Hypersonic Flow Around Segmental
Bodies, by B.A. Zemlenskii, 7pp.
RUSSIAN, per, Izv. AN SSSR, Mekh. Zhidk.
Gaz, No. 1, 1970, pp. 164-168.
CIA X-7233

Jun 70

Krasnobayev, K. V.

*Ionization of a gas by instantaneous bursts of
radiation*

IZV. AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 2, 1970,

pp 14-19

FTD-HS-23-1337-71

Periodic Shock Waves in Gases, by Sh. V. Galiyev.
IZV MEKHANIKA ZHIDKOSTI I GAZA, No 2, 1970, pp 57-66.
NAVY/APL/JHU-T-2722

Apr 73

Second and Domestic Workers and their in the
Value of a Plant Body, by V. K. Ryukhovich, 3 pp
RUSSIAN, pop, Rev. and Gen. Publ. 1970, 1. 1. 1.
No 2, 1970, 10 13-15
CIA X 1167

FTD - Special HT-276-70

August 70

Computing Effect of Gases on a Ship's Propulsion
Leading and Trailing Edges, by
S. M. Belotchenkovskiy, S. A. Popovtsov.
RUSSIAN, per, LEY MISSER Mash Zhidkosti i Gazo,
No 2, 1970, pp 92-100.
FTD HT Special 275-70

Sci-Pop & Fuels
Sep 70

On the Necessary Condition for Three-dimensional
Boundary Layer Separation, by L. M. Zhukovskii, G. M.

7 pp.
RUSSIAN, per, IRL. AN. 1970, 1971, Zhukovskii, L. M.,

No 2, 1970, pp 109-113

CIA X 7381

CIA X 7372

AEC/SC-T-71-3007

Jan 71

Antonato, A. V.

*Calculation of the three dimensional supersonic flow past
blunted bodies with bends in the generating line.*

IZV. AN SSSR. MEKHANIKA ZHIDKOSTI I GAZA, no 2, 1970,
pp 178-181

FTD-MS-24-993-71

~~Siberian Conference on Aerodynamics~~
RUSSIAN, per. Inv AMSSER Math Zhitskoti i Gaza,
No 2, 1970, pp 206-208.
FID HT Special 273-70

Sci-Misc
Sep 70

Flies Over a Separated Zone, by V. Ya. Mayland.
RUSSIAN, per, Lev ANSTETOR Makh Zhil'manti i Gaza,
No 3, 1970, pp 22-32.
FTD HT Special 271-70

Sci-Phys
Sep 70

Hypersonic Flow Around a Segmented Cone Body at
High Angle of Attack, by B. A. Zaslavskiy.
RUSSIAN, per, Izv. ANSSSR Akad. Nauk Zhidkosti i Gaza,
No 3, 1970, pp 33-39.
FTD HT Special 273-70

Sci-Phys
Sep 70

Hypersonic Flow Around Triangular Wings of Finite
Thickness, by A. L. Gonor.
RUSSIAN, per, Izv. AN SSSR, Mekh. Zhidk. i Gaza.
No 3, 1970, pp 46-55.
FTD HT Special 270-70

sep 70

On the Structure of Optimal Boat-tailing of a Plane
Body at Supersonic Speed, by A. N. Krayko.
RUSSIAN, per, Izv. AN SSSR, Mekh Zhidk i Gaza, No 3,
1970, pp 56-62.
FTD HT Special 272-70

sep 70

Flow of a Supersonic Viscous Underexpanded
Stream, by V. S. Avdeyevskiy.
RUSSIAN, per, Izv ANSSSR Math Zhilchened. I. Gasa,
No 3, 1970, pp 63-69.
FTD HT Special 281-70

Sci-Phys
Sep 70

Dzhaugashtin, K. Ye.

Energy in free turbulent jet of incompressible fluid.

IZV AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 3, 1970,

pp 80-89

FTD-HS-23-865-71

~~Flow in the Vicinity of Critical Point of a~~
Blunt Body in Hypersonic Flow, by
V. V. Lunov.
RUSSIAN, per, Izv ANSSSR Mekh Zhigosti i Gaza,
No 3, 1970, pp 102-105.
FTD HT Special 230-70

Sci-Phys
Sep 70

Burning in Turbulent Boundary Layer on a
Porous Surface, by V. L. Dorst.
RUSSIAN, per, Izv ANSSSR Math Zhidkosti i Gaza,
No 3, 1970, pp 106-112.
FTD MC Spacial 279-70

Sci-Phys
Sep 70

Equilibrium Shapes of the Free Surface of a Fluid in
Gravitational and Magnetic Fields With Surface Tension
Forces Taken into Consideration, by V. M. Shashin.

18 pp.

RUSSIAN, per, Izv. Akad. Nauk SSSR. Mekh Zhidk. No 3,

May-Jun 1970, pp 113-116

NASA TT F 13462

NTC 72-12061-200

jul 71

IZV. AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 3,
May-Jun 1970, pp 145-154
FTD-HT-Special 142-71

Propagation of Disturbances Above the
Flow During the Interaction of a
Hypersonic Flow With a Boundary Layer,
by V. Ya. Neyland.

RUSSIAN, per, Akademiya Nauk SSSR.
Izvestiya Mekhanika Zhidkosti i Gaza,
No 4, 1970, pp 40-49.

NTC 72-11154-20D

Nasa TT-F-13522 18 pp

May 72

On Criteria of ...
Separation, by G. M. Igum-Zelitsky, 7 pp.
RUSSIAN, per, Izv. AN SSSR, Medt. Khim. i Gasa,
No 4, 1970, pp 50-54
CIA X 7374

AEC/SC-T-71-3010

Jan 71

Unsteady Thermal Boundary Layer on a Flat Isothermal
Plate, by Dronov, S.A. and V.P. Salakhin
RUSSIAN, *Tr. Inzh. Akad. Nauk SSSR*
Mekhanika Zhidkosti i Gaza, No 4, Jul-Aug 1970,
pp. 64-69.
NASA TT-F-13524

Mar 71

Accelerated Supersonic Motion of a
Plane at a Finite Angle of Attack,
by O. G. Goman.
RUSSIAN, per, Akademiya Nauk SSSR.
Izvestiya, Mekhanika Zhidkosti i Gaza,
No 4, 1970, pp 70-75.
NTC 72-11146-01A

Nasa TTF 13525 12 pp

May 72

A Study of Two-Layer Gas Flow in
Supersonic Axisymmetric Nozzles,
by V. G. Pirumov.
RUSSIAN, per, Akademiya Nauk SSSR.
Izvestiya. Mekhanika Zhidkosti i
Gaza, No 4, 1970, pp 76-81.
NTG 72-11135-20D
FTD-HS-23-71-1037

May 72 NASA TT F 13526 12 pp
 NASA TT F 13429 12 PP

A Study of the Interaction of a Super-
sonic Jet and an Acoustic Field,
by M. G. Lebedev.

RUSSIAN, per, Akademiya Nauk SSSR.
Izvestiya. Mekhanika Zhidkosti i Gaza,
No 4, 1970, pp 82-94.
NTC 72-11153-20D

Nasa IT F 13527

May 72

Plane-Parallel Transonic Flow With a Dis-
continuity, by I. Biibosunov. *6 pp*
RUSSIAN, per, Akademiya Nauk SSSR, Izvestiya.
Mekhanika Zhidkosti i Gaza, No 4, 1970, pp 95-
100.

NTC-71-12369-01A

CIA X 7438

Nov 71

Subsonic Compressible Gas Flow Around a
Semi-Infinite Plate in a Channel, by B. S. Kirnasov.
RUSSIAN, per, Akademiya Nauk SSSR, Izvestiya.
Mekhanika Zhidkosti i Gaza, No 4, 1970, pp 101-108.
NTC-71-12355-01A

CIA x7430 8 pp

Nov 71

Relaxation and Nonequilibrium Radiation
Behind Shock Waves in Air, by
M. B. Zheleznyak.

RUSSIAN, per, Akadeniya Nauk SSSR.

Izvestiya. Mekhanika Zhidkosti i

Gaza, No 4, 1970, pp 161-174.

NTC 72-11138-20D

Nasa TTF 13528 31pp

May 72

AEC/SC-T-713030

*IZV AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 4, Jul-Aug
1970, pp 180-182
FTD-HS-23-718-71*

The Effects of Flow Containing Dust on
the Results of Hypersonic Wind Tunnel
Experiments, by B. I. Eakum.

RUSSIAN, per, Akademiya Nauk SSSR.
Izvestiya. Mekhanika Zhidkosti i Gaza,
No 4, 1970, pp 187-189.

NTC 72-11137-20D

Nasa TTF 13529 7 pp

May 72

IZV AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 5 Sep-Oct
1970, pp 68-72
FTD-HS-23-1263-72
FTD-HS-23-1523-73

Plane Transonic Flow with Curved Compression Shock,
by M. P. Boudanov I
RUSSIAN, per, Am SSSR, *Investitsiya Mekhanika*
Zhidkosti I Gaza, 1970, No 5, pp 70-83.
FTD-M-Special 71-106

*Flow Around Spheres of Double Conical Supersonic
Stream, by Savinov K. G.
RUSSIAN, per, An SSSR, Izvestiya, Mekhanika
Zhukovskii I Gasa, 1970, No 5, pp 83-94.
FTD-UT-Special 71-105*

Second Approximation in the Problem
of Strong Viscous Interaction on Thin
Three Dimensional Bodies, by
V. V. Mikhailov.

RUSSIAN, per, Akademiya Nauk SSSR.
Izvestiya. Mekhanika Zhidkosti i Gaza,
No 5, 1970, pp 107-113.

NTC 72-11296-20D

NASA TTF 13538 11 pp
May 72

IZV. AN SSSR MEKHANIKA ZHIDKOSTI I GAZA, No 5, 1970,
pp 132-139
FTD-HT-Special 128-71

V. M. Anufriev

Discrete Component in Noise Spectrum of Supersonic
Jets.

RUSSIAN, per, Akademiya Nauk SSSR. Izvestiya
Mekhanika Zhidkosti i Gaza, No 5, 1970, pp 162-165.
NTC 72-13984-01B

Nov 72

*Discrete Vortices in a Plane Flow at Free and
Imaginary Boundary Layer on a Plate, by
Hammerson O. M.*
*RUSSIAN, per, in USSR, Izvestiya, Mekhanika
Zhigolovskiy I. G. 1970, No 5, pp 170-180.*
INT-INT-Special 21-102

71

*Interaction of a Supersonic Flow with a Transverse
Jet Impinged Through Circular Orifice,
by Andreyevskiy V. S.
RUSSIAN, par. An USSR, Izvestiya, Mekhanika
Prilozheniya I Gasa, 1970, no 5, pp 193-197.
FTD-VR-Special 71-103*

Magnetic Hydrodynamics of Plane Flows in a Plasma With
Anisotropic Pressure, by, V. B. Baranov, 15 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk Gaza,
No 6, Nov-Dec 1970, pp 3-10.
NASA TT F 13570
NTC 70-10320-205

Oct 71

Nonstationary Rarefaction Flows Having Symmetry, by
O. V. Rysov, 12 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk, Gaza,
No 6, 1970, pp 35-39.
NASA TT F 13571
NTC 70-10316-200

Oct 71

The Rule of Radiation Absorption in Front of a
Shock Wave During Hypersonic Flow Around a Blunt
Body, by V. K. Vertushkin, et al, 14 pp.
RUSSIAN, per, Izv Akad Nauk SSSR, Mekh, Zhidk Gaza.
No 6, 1970, pp 40-47.
NASA-TT-F-13572

NTC 72-10181-01A

Sept 71

Transonic Flow of Gas in Axially Symmetric Laval
Nozzles With Steep Walls, by V. I. Kireyev. 8 pp.
RUSSIAN, per, Izv. Akad. Nauk, SSSR, Mekh, Zhidk.
Gazd, No 6, Nov-Dec 1970, pp 55-58.
NASA TT F 13573

NTC-72-10686-205

Oct 71

An Experimental Determination of the Magnitude of
Accelerated Molecular Diffusion in Turbulent Mixing
of Supersonic Wave Flows, by A. I. Maltsev, 15 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk, Gaza,
No 6, Nov-Dec 1970, pp 59-65.
NASA TT F 13574

NTC 72-10315-200

Oct 71

The Equation of the Energy Balance for Turbulent
Pulsations in the Theory of a Free Turbulent Boundary
Layer, by N. I. Akatnov, 9 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk. Gaza,
No 6, Nov-Dec 1970, pp 75-79.
NASA TT F 13575
NTC 72-10318-202

Oct 71

Impact of Spherical Shells Against the Surface
of a Liquid, by A. G. Gorskov, 8 pp.
RUSSIAN, per, Izv Akad Nauk SSSR Mekh Zhidk Gaza,
No 6, Nov-Dec 1970, pp 90-92.
NASA TT F 13576

NTC 72-10687-2011

Oct 71

Investigation of a Three Dimensional Separated
Flow Around Semicones Placed on a Plane Plate,
by V. S. Avduyevskiy. 10 pp.
RUSSIAN, per, Izv. Akad. Nauk, SSSR, Mekh. Zhidk.
Gaza, No 6, Nov-Dec 1970, pp 112-115.
NASA TT F 13578

NTC 72-10689-205

Oct 71

Similarity of Supersonic Separated Flows, by
M. G. Morozov. 9 pp.
RUSSIAN, per, Izv. Akad. Nauk, SSSR, Mekh. Zhidk.
Gaza, No 6, Nov-Dec 1970, pp 115-118.
NASA TT F 13577

NTC 72-10688-205

Oct 71

RUSSIAN

CSO: 0189/73(h) W
27 Jul 72 SF

Influence on the heat exchange of freezing of the chemical reactions in a nonequilibrium laminar boundary layer, by V. G. Voronkin.

Moscow, Iz Ak Nauk SSSR, Mekhanika zhidkosti i gaza, No 6, 1970, pp 127-129.

Please publish - including reproductions if possible.
Doc may be clipped.

Effect of Mass Entrainment Products on Heat
Transfer During Decomposition of Graphite
in a Radiating Air Plasma, by A.B. Karasyev,
16 pp.

RUSSIAN, per. Mekhanika Zhidkosti i Gaza Izv
Akad Nauk SSSR, No 1, 1971. pp 23-34

ACSI-K-1921

FSTC-HT-23-1360-72

Mar 72

REQ TO CHECK

8-03-19

TCK

THEORY OF THE BOUNDARY LAYER OF A WEAKLY
IONISED GAS AROUND AN ELECTRODE
YUFEREV V S
UR: IZV. AKAD. NAUK. SSSR MEKH. ZHIDK.
AND GAZA, 1971, nr 1, pp 61-67

In process as
H5-72-23-050

negative 16 MAR 1972

REQ TR CHECK

5-10-4

TS79

BOUNDARY LAYER EQUATIONS IN A RADIATING GAS
STULOV V PUR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI
I GAZA. JAN-FEB 1971, pp 68-75

In process
HS-23-71-172 Negative
20 Oct 71

On Transonic Flow Perturbations Caused by Vorticity,
by G. B. Il'inskaya, 4 pp.
RUSSIAN, per, Izv An SSSR, Mekh Zhid i Gaza, No 1,
1971, pp 168-170.
X-7466

June 71

REQ TR CHECK

26-6-29

TFR3

PROFILING OF NOZZLES USING GASES WITH
CONDENSATE PARTICLES
DRITOV, G. V., TISHIN, A. P.
UR-AKADEMIIA NAUK SSR, IZVESTIYA, MEKHANIKA
ZHIDKOSTI I GAZA, No 1, Jan-Feb 1971,
pp 170-175

Process in a
HS72-23-1393

neg
12 Jul 72

Unstead Viscous Gas Flow Between Two Solid Walls,
One of Which is Free and Vibrates at High Frequency,
by V. A. Byushkin,
RUSSIAN, per, Izv AN SSSR, Mekhanika Zhid i Gaza,
No 2, 1971, pp 111-116.
X-7490

Sept 71

Nonequilibrium Viscous Flow of a Multicomponent Gas
in the Neighborhood of the Stagnation Point of a
Blunt Body, by V. G. Voronkin, 5 pp.
RUSSIAN, per, Izv AN SSSR, Mekhanika Zhidkosti i
Gaza, No 2, 1971, pp 144-147.
X-7488

Sept 71

On the Effect of a Rise in Stagnation Temperature
on the Gas Flow Around Deep Cavities, by Yu. B.
Yeliseyev, 14 pp.
RUSSIAN, per, Izv An SSSR, Mekh. Zhidk i Gaza, No 3,
1971. pp 8-18
CIA-X-7511
NTC 72-11171-01A

Nov 71

REQ TR CHECK . . . 4-5-1

TEL6

DEFORMATION OF FLUID JETS AND DROPLETS
IN A TRANSVERSE FLOW OF GAS
GELFAND, B.YE., GUBIN, S.A.
UR-AKADEMIIA NAUK SSSR, IZVESTIIA,
MEKHANKIA ZHIDKOSTI I GAZA, no 3, 1971,
pp 82-88

c/c ~~Plum~~ fan
Process in as
H572-23-1194

15 May 72

REQ TR CHECK

13-12-8

TZ30

CALCULATION OF THE PROFILE OF A
DIFFRACTED SHOCK WITH SUBSEQUENT
ESTABLISHMENT OF STATIONARY SUPERSONIC
AND TRANSONIC FLOW
FONAREV A S
UR: AN SSSR. IZVESTIYA. MEKHANIKA
ZHIDKOSTI I GAZA
1971, nr 4, pp 34-40

In process as

MS-24-72-305

neg
12/21/71

REQ TR CHECK

13-12-11

TZ33

INTERACTION OF SUPERSONIC FLOW WITH
BOUNDARY LAYER ACCORDING TO THE ASYMPTOTIC
THEORY

NEYLAND V YA

UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI
I GAZA, 1971, nr 4, pp 42-47

In process

MS-24-72-308 *new*
12/28/71

REQ TR CHECK

13-12-10

TZ32

INFLUENCE OF A DISTURBED BOUNDARY LAYER ON
HYPESONIC FLOW CONSIDERING VISCOSITY EFFECTS
KOZLOVA I G
UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI
I GAZA, 1971, nr 4, pp 48-53

*In process**MS-24-72-307 ^{new} 12/28/71*

• REQ TR CHECK

• 26-6-19

TFQ2

PROPAGATION OF SMALL PERTURBATION WAVES
THROUGH A PLATE ARRAY IN A SUBSONIC GAS
FLOW

TRAKHTENBROYT, M. A.
UR-~~AK~~ADEMIIA NAUK SSSR, IZVESTIIA, MEK-
HANIKI ZHIDKOSTI I GAZA, Jul-Aug 1971,
pp 85-91

Process in as
H572-23-1396.nsf
12 Jul 72

REQ TR CHECK

13-12-9

TZ31

EQUATING PARAMETERS FOR A CONSTRAINED
STREAM WITH HIGH EXPANSION INTO FREE SPACE
MURZINOV I N
UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOSTI
I GAZA, 1971, nr 4, pp 143-149

*In process as**MS-24-72-306**neg**12/28/71*

I. Bitybosunov

Solution of the Chaplygin equation by the straight-lined
method method. 13 pp.

RUSSIAN, Izvestiya AN SSSR. Mekhanika Zhidkosti i Gaza,

No 6, 1971, pp 56-64

AIR/FTD-HT-23-1238-72

Also see 77 F 14, 257

jan 73

REQ. TR CHECK

20-03-73

T383

CALCULATION OF THE FLOW IN THE SUBSONIC
AND TRANSONIC PORTIONS OF RING NOZZLES

OVSYANNIKOV, A M

UR: AN SSSR. IZVESTIYA. MEKHANIKA

ZHIDKOSTI I GAZA, 1971, DEC-NOV, NO 6, .

pp. 137-143

*Process in as**H573-22-0371**neg
28 MAR 73*

REQUEST TR CHECK

16 8-9

TGF3

EXPERIMENTAL INVESTIGATION OF THE INFLUENCE
OF THE TANGENTIAL BLOWING AND WALL COOLING
ON SEPARATED FLOW

GRIN V T; ZAKHAROV N N

UR: AN SSSR: IZVESTIYA MEKHANIKA
ZHIDKOSTI I GAZA, 1971, nr 6, pp 143-147~~C/c Plenum Pres~~

Process in as

H572-23-1461

30 Aug 73

REQ TR CHECK

7-11-1

THE6

EKSPERIMENTAL'NOYE ISSLEDOVANIYE PEREKHODA
LAMINARNOGO POGRANICHNOGO SLOYA V TURBULEN-
TNIY PRI SVERKHZVUKOVYKH SKOROSTYAKH
V.V. STRUMINSKIY; A.M. KHARITONOV; V.V.
CHERNYKH

UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHIDKOS-
TI I GAZA, No 2, 1972, pp. 30-34

Process in as
H572-23-1793

Negative
20 Nov 72

V. N. KALASHNIKOV

Anomalous Indications of Pitot Tubes in Solid-particle
Suspensions and Polymer Solutions that Reduce Turbulent
Friction.

RUSSIAN, per, Izv AN SSSR, Mekhanika Zhidkosti i
Gaza, No 2, 1972, pp 48-54.

NAVY/APL/JHU-T-2682

Nov 72

M. SH. GITERMAN

Internal Gravitational Waves and Convective Instability
of a Liquid, by M. Sh. Giterman.

RUSSIAN, per, Izv AN SSSR, Mekhanika Zhid i Gaza,

No 2, 1972, pp 54-61.

NAVY/APL/JHU-T-2683

Nov 72

V. N. Mikhaylov

Supersonic flow in a corner formed by intersecting plates.

8 pp.

RUSSIAN, Izv. Akad. Nauk SSSR, Mekh. Zhidk. Gaza,

Mar-Apr 1973, pp 162-166

NASA TT F 14,537

jan 73

Experimental and Theoretical Study of a Supersonic
Wall Jet in a Supersonic Wake Flow, by
G. N. Abramovich
IZV. MEKHANIKA ZHID I GAZA, No 4, 1972, pp 25-32.
APL/JIU-T-2730

Apr 73

REQ TR CHECK

12-02-73

T196

EFFECT OF EXTERNAL TURBULANCE ON THE
BOUNDARY LAYER OF A FLOW

GORLIN, S M; ZRAZHEVSKIY, I M

UR: AN SSSR. IZVESTIYA. MEKHANIKA ZHID-
KOSTI I GAZA, 1972, No. 4, pp. 52-57*Process in as**Neg 15 FEB 73**#573-23-0191*

Transition to Turbulence in Submerged and Wake Jets
by O. I. Navoznov.
IZV MEKHANIKA ZHIDKOSTI I GAZA, No 4, 1972, pp 148-154.
NAV/APL/JHU-T-2737

Apr 73

Ye. G. Shifrin

Problem of uniform-jet flow around an airfoil.

IZVESTIYA AKADEMIYA NAUK SSSR, MEKhanika ZHIDKOSTI I

GAZA, No 4, Jul-Aug 1972, pp 163-165

*NASA TT F 14, 813 **

feb 73

REQ TR CHECK

12-07-73

T031

FLOW IN THE BASE AREA OF FLAT BODIES
SHVETS, A.I.

UR: IZVESTIYA AKADEMII NAUK SSSR, MEKHANIKA
ZHIDKOSTEY I GAZOV, NO. 6, NOV-DEC 1972,
pp. 51-70 *c/c Plenum Press*

Process in ^{HS} 1970
HS74-23-0031

Investiya Akademiy Nauk SSSR, Metall, 1965 - 1969.

Full tr by Scientific Information Consultants Limited

Available at Ly Serials

Mar 73

Third All-Union Conference on the Preparation,
Structure, Physical Properties and Applications
of Single Crystals of High Melting and Rare
Metals, by Ye. V. Ottonberg, 5 pp.
RUSSIAN, per, Izvestiya Akademii Nauk SSR-Metally,
Moscow, No 4, 1969, pp 270-271.
JPRS 49010

Sci-Mat
Oct 69

392,738

*Construction of Ti-W Alloys Through Combination
of Chloride and Other Mechanisms: Characteristics
of Alloys, by Maynov, S. I.
RUSSIAN, per, Izv Akad Nauk SSSR, Metall, No 1, 1970
pp 30-32.
FTD-HT-Special 71-28*

Solubility of Oxygen in Niobium-Zirconium Alloys,
by A. K. Shubin.
RUSSIAN, per, ~~International Handbook Series~~ Metall-
urgy, Vol 1, 1970, pp 231-233.
CHCB-5501

June 71

The Prospects of Metal Research Development, by
Ye. M. Savitskiy, 41 pp.
RUSSIAN, per, AN SSSR, Izvestiya, Metally, pp 49-71
AIR/FTD-HC-23-59-71 *Mar Apr 1970*

Sept 71

RUSSIAN

*Completed
Special*CNO: 02666/72 W
16 May 1972 SP

Increasing the creep strength of the BI 437 B alloy,
by M. I. Krichevet et al. 7 pp

Moscow, Investiya Akad. Nauk SSSR. Metall., No. 3,
1970, pp 129-131.

Ad Hoc

Special type B

Do not publish

Original plus four (4)

Make reproductions